

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 5-6 without prejudice and amend claim 1 and add new claims 7-14 as follows:

LISTING OF CLAIMS:

1. (Currently Amended) A method of manufacturing a stator, comprising the steps of:

forming ~~[[the]]~~ a stacked stator core ~~by blanking a magnetic material using a progressive die~~ including

a) a first core member formed by stacking a prescribed number of magnetic materials and made up of a plurality of yoke members connected to one another through a bendable bent portion,

b) a second core member formed by stacking the prescribed number of magnetic materials and made up of a yoke member arranged in such a manner that one end of each magnetic material of said second core member is successively connected to the other end of said first core member through a bendable bent portion from the next magnetic material of the other end of said first core member by shifting entirely said second core member downwards, with left the same number of stages of one end of said second core member unconnected as the prescribed number of stages,

c) a third core member formed by stacking the prescribed number of magnetic materials, each of which is made up of the same number of yoke members

as said first core member connected through the bendable bent portion, and one end of the magnetic material of said third core member is connected to the other end of said second core member through a bendable bent portion by shifting entirely said third core member downwards, and

d) a fourth core member formed by stacking the prescribed number of magnetic materials and made up of a yoke member arranged in such a manner that one end of each magnetic material of said fourth core member is successively connected to the next stage of the other end of said third core member through a bendable bent portion from the next magnetic material of the other end of said third core member by shifting entirely said fourth core member downwards, with left the same number of stages of one end of said fourth core member unconnected as the prescribed number of stages,

wherein the first, the second, the third and the fourth core members are independently arranged in a ring and mutually stacked;

unfolding the stacked stator core straight;

subjecting the straight stacked stator core to a prescribed treatment;

winding a wire around teeth of the straight stacked stator core subjected to the prescribed treatment; and

winding up the straight wire-wound stacked stator core to restore the core to its original arrangement in a ring.

2. (Original) The method of manufacturing a stator according to Claim 1, wherein the prescribed treatment is electrocoating.

3. (Original) The method of manufacturing a stator according to Claim 1, wherein the wire-wound stacked stator core is wound up such that the wire-wound side faces the inside of the core.

4. (Original) The method of manufacturing a stator according to Claim 1, wherein the wire-wound stacked stator core is wound up such that the wire-wound side faces the outside of the core.

5. (Canceled)

6. (Canceled)

7. (New) A method of manufacturing a stator, comprising the steps of:
forming a stacked stator core including

a) a first core member formed by stacking a prescribed number of magnetic materials and made up of a plurality of yoke members connected to one another through a bendable bent portion,

b) a second core member formed by stacking the prescribed number of magnetic materials and made up of a yoke member arranged in such a manner that one end of each magnetic material of said second core member is successively connected to the other end of said first core member through a bendable bent portion from the next magnetic material of the other end of said first core member by shifting entirely said second core member downwards,

c) a third core member formed by stacking the prescribed number of magnetic materials, each of which is made up of the same number of yoke members as said first core member connected through the bendable bent portion, and one end of the magnetic material of said third core member is connected to the other end of said core member through a bendable bent portion by shifting entirely said third core member downwards, and

d) a fourth core member formed by stacking the prescribed number of magnetic materials and made up of a yoke member arranged in such a manner that one end of each magnetic material of said fourth core member is successively connected to the next stage of the other end of said third core member through a bendable bent portion from the next magnetic material of the other end of said third core member by shifting entirely said fourth core member downwards, with left the same number of stages of one end of said fourth core member unconnected as the prescribed number of stages,

wherein the first, the second, the third and the fourth core members are continuously arranged in a shape of a spiral,

wherein the third core is stacked on the first core and the forth core is stacked on the second core;

unfolding the stacked stator core straight;

subjecting the straight stacked stator core to a prescribed treatment;

winding a wire around teeth of the straight stacked stator core subjected to the prescribed treatment; and

winding up the straight wire-wound stacked stator core to restore the core to its original arrangement in a ring.

8. (New) The method of manufacturing a stator according to Claim 7, wherein the prescribed treatment is electrocoating.

9. (New) The method of manufacturing a stator according to Claim 7, wherein the wire-wound stacked stator core is wound up such that the wire-wound side faces the inside of the core.

10. (New) The method of manufacturing a stator according to Claim 7, wherein the wire-wound stacked stator core is wound up such that the wire-wound side faces the outside of the core.

11. (New) A method of manufacturing a stator, comprising the steps of:
forming a stacked stator core including
 a plurality of stator cores, each of which is made up of a prescribed number of stacked sheet magnetic materials,
 a plurality of yoke members forming each stator core,
 a bendable bent portion provided between said yoke members, and
 an interconnecting portion for interconnecting said plurality of stator cores by connecting the upper end of one stator core to the lower end of the other stator core with a difference in level provided between said plurality of stator cores,
 unfolding the stacked stator core straight;
 subjecting the straight stacked stator core to a prescribed treatment;

winding a wire around teeth of the straight stacked stator core subjected to the prescribed treatment; and

winding up the straight wire-wound stacked stator core to restore the core to its original arrangement in a ring.

12. (New) The method of manufacturing a stator according to Claim 11, wherein the prescribed treatment is electrocoating.

13. (New) The method of manufacturing a stator according to Claim 11, wherein the wire-wound stacked stator core is wound up such that the wire-wound side faces the inside of the core.

14. (New) The method of manufacturing a stator according to Claim 11, wherein the wire-wound stacked stator core is wound up such that the wire-wound side faces the outside of the core.